

CLAIMS

A system for providing multiple time-division multiplexed (TDM) channels over a shared X-DSL communication medium, and the system comprising:

- 5        a subscriber line;
- 10      a first modem with an input and an output and the first and a second modem communicating with one another across the shared communication medium with at least the first modem accepting a plurality of TDM channels at an input thereof;
- 15      a payload framer coupled with the first modem for accepting the plurality of TDM channels as an input and for placing data associated with each of the channels in a payload portion of the X-DSL frame; and
- 20      a payload deframer coupled with the second modem to demultiplex the payload data.

100 200 300 400 500 600 700 800 900